

[illegible]

What is claimed is:

1. A method comprising:
- transmitting data to at least one client;
- receiving, from the at least one client, tracked and reported transmitted data errors regarding the transmitting data, based on a path of the transmitting data and at least one of regional factors, dynamic factors, and retransmission factors;
- identifying the at least one client reporting the transmitted data errors; and
- analyzing the transmitted data errors.
2. The method of claim 1, further comprising:
- adjusting error correction based on the analyzing the transmitted data errors; and
- transmitting data, having an adjusted error correction, to the at least one client.
3. The method of claim 1, wherein the transmitting data comprises broadcasting data, and wherein the receiving tracked and reported transmitted data errors comprises receiving by a broadcast center server.
4. The method of claim 1, wherein the analyzing the transmitted data errors comprises comparing the transmitted data errors to at least one of a predetermined tolerable transmitted data error level and a predetermined tolerable transmitted data error level for a predetermined time period.
5. The method of claim 1, further comprising:
- assigning a predetermined tolerable transmitted data error level;
- wherein the receiving tracked and reported transmitted data errors comprises receiving only when one of the transmitted data errors exceeds the predetermined tolerable transmitted data error level and the transmitted data errors exceeds the predetermined tolerable transmitted data error level for a predetermined time period.

1 6. The method of claim 1, wherein the transmitting data comprises
2 utilizing at least one of wireless conventional ground terrestrial transmission,
3 digital television (DTV) connection, analog and digital cable television (CATV),
4 satellite connection, direct broadcast satellite system (DBS), wide area network
5 (WAN) connection, and formats chosen by the Advanced Television Systems
6 Committee (ATSC) and National Television Standards Committee (NTSC).

1 7. The method of claim 1, wherein the receiving tracked and
2 reported transmitted data errors comprises utilizing at least one of telephone
3 dial-up connection through a WAN, dial-up directly, data link switching (DLS),
4 cable docsys, and telephony.

1 8. The method of claim 2, wherein the adjusting comprises
2 employing at least one of forward error correction and carouselling, and altering
3 at least one of bandwidth and quality of service.

1 9. The method of claim 2, wherein the adjusting error correction
2 comprises dynamically regulating error correction.

1 10. An apparatus comprising:

2 a transmitter to transmit data to at least one client;

3 a receiver to receive, from the at least one client, tracked and

4 reported transmitted data errors regarding the transmitted data based on a path

5 of the transmitted data and at least one of regional factors, dynamic factors,

6 and retransmission factors; and

7 a device coupled to the receiver to identify the at least one client

8 reporting the transmitted data errors and to analyze the transmitted data errors.

- 1 11. The apparatus of claim 10, wherein the transmitter transmits
2 broadcasting data, and wherein the device is a broadcast center server.
- 1 12. The apparatus of claim 10, wherein the device adjusts error
2 correction based on the analysis of the transmitted data errors, and transmits
3 data having the adjusted error correction, to the at least one client.
- 1 13. The apparatus of claim 10, wherein the device to analyze the
2 transmitted data errors compares the transmitted data errors to at least one of
3 a predetermined tolerable transmitted data error level and a predetermined
4 tolerable transmitted data error level for a predetermined time period.
- 1 14. The apparatus of claim 10, wherein the device assigns a
2 predetermined tolerable transmitted data error level and the receiver receives
3 tracked and reported transmitted data errors only when one of the transmitted
4 data errors exceeds the predetermined tolerable transmitted data error level,
5 and exceeds the predetermined tolerable transmitted data error level for a
6 predetermined time period.
- 1 15. The apparatus of claim 10, wherein the transmitter transmits data
2 utilizing at least one of wireless conventional ground terrestrial transmission,
3 digital television (DTV) connection, analog and digital cable television (CATV),
4 satellite connection, direct broadcast satellite system (DBS), wide area network
5 (WAN) connection, and formats chosen by the Advanced Television Systems
6 Committee (ATSC) and National Television Standards Committee (NTSC), and
7 the receiver receives tracked and reported transmitted data errors utilizing at
8 least one of telephone dial-up connection through a WAN, dial-up directly, data
9 link switching (DLS), cable docsys, and telephony.
- 1 16. The apparatus of claim 12, wherein the device dynamically
2 employs at least one of forward error correction and carouselling, and alters at
3 least one of bandwidth and quality of service.

1 17. A machine-readable medium having instructions that when
 2 executed by a processor cause the processor to perform operations
 3 comprising:
 4 transmitting data to at least one client;
 5 receiving, from the at least one client, tracked and reported
 6 transmitted data errors regarding the transmitting data, based on a path of the
 7 transmitting data and at least one of regional factors, dynamic factors, and
 8 retransmission factors;
 9 identifying the at least one client reporting the transmitted data
 10 errors; and
 11 analyzing the transmitted data errors.

1 18. The machine-readable medium of claim 17, further comprising:
 2 adjusting error correction based on the analyzing the transmitted
 3 data errors; and
 4 transmitting data, having an adjusted error correction, to the at
 5 least one client.

1 19. The machine-readable medium of claim 17, wherein the
 2 transmitting data comprises broadcasting data, and wherein the receiving
 3 tracked and reported transmitted data errors comprises receiving by a
 4 broadcast center server.

1 20. The machine-readable medium of claim 17, wherein the analyzing
 2 the transmitted data errors comprises comparing the transmitted data errors to
 3 at least one of a predetermined tolerable transmitted data error level and a
 4 predetermined tolerable transmitted data error level for a predetermined time
 5 period.

1 21. The machine-readable medium of claim 17, further comprising:
 2 assigning a predetermined tolerable transmitted data error level;
 3 wherein the receiving tracked and reported transmitted data
 4 errors comprises receiving only when one of the transmitted data errors
 5 exceeds the predetermined tolerable transmitted data error level and the

6 transmitted data errors exceeds the predetermined tolerable transmitted data
7 error level for a predetermined time period.

1 22. The machine-readable medium of claim 17, wherein the
2 transmitting data comprises utilizing at least one of wireless conventional
3 ground terrestrial transmission, digital television (DTV) connection, analog and
4 digital cable television (CATV), satellite connection, direct broadcast satellite
5 system (DBS), wide area network (WAN) connection, and formats chosen by
6 the Advanced Television Systems Committee (ATSC) and National Television
7 Standards Committee (NTSC), and wherein the receiving tracked and reported
8 transmitted data errors comprises utilizing at least one of telephone dial-up
9 connection through a WAN, dial-up directly, data link switching (DLS), cable
10 docsys, and telephony.

1 23. The machine-readable medium of claim 18, wherein the adjusting
2 comprises dynamically employing at least one of forward error correction and
3 carouselling, and altering at least one of bandwidth and quality of service.

1 24. A method comprising:
2 receiving data from a transmitter;
3 tracking data errors regarding the receiving data, based on a path
4 of the receiving data and at least one of regional factors, dynamic factors, and
5 retransmission factors; and
6 reporting the data errors to a receiver.

1 25. The method of claim 24, further comprising:
2 receiving data, from the transmitter, having an adjusted error
3 correction.

1 26. The method of claim 24, wherein the receiving data comprises
2 receiving broadcast data, and wherein the reporting data errors comprises
3 reporting to a broadcast center server.

1 27. The method of claim 24, further comprising:
2 receiving an assigned predetermined tolerable received data error
3 level;

8 wherein the reporting comprises reporting only when one of the
9 data errors exceeds the predetermined tolerable received data error level and
10 the data errors exceeds the predetermined tolerable received data error level
11 for a predetermined time period.

28. The method of claim 24, wherein receiving data comprises utilizing at least one of wireless conventional ground terrestrial transmission, digital television (DTV) connection, analog and digital cable television (CATV), satellite connection, direct broadcast satellite system (DBS), wide area network (WAN) connection, and formats chosen by the Advanced Television Systems Committee (ATSC) and National Television Standards Committee (NTSC), and wherein reporting data errors comprises utilizing at least one of telephone dial-up connection through a WAN, dial-up directly, data link switching (DLS), cable docsys, and telephony.

1 29. An apparatus comprising:
2 a receiver to receive data from a transmitter, and track and report
3 received data errors to the transmitter, based on a path of data transmission
4 and at least one of regional factors, dynamic factors, and retransmission
5 factors.

1 30. The apparatus of claim 29, wherein the receiver receives data
2 having one of error correction and an adjusted error correction based on the
3 reported received data errors.

1 31. The apparatus of claim 29, wherein the receiver receives
2 broadcast data from a broadcast center server.

1 32. The apparatus of claim 29, wherein the receiver receives an
2 assigned predetermined tolerable received data error level.

1 33. The apparatus of claim 29, wherein the receiver identifies

2 received data errors that one of exceeds the predetermined tolerable received
3 data error level, and exceeds the predetermined tolerable received data error
4 level for a predetermined time period.

1 34. The apparatus of claim 33, wherein the receiver reports only
2 when one of the received data errors exceeds the predetermined tolerable
3 received data error level and the received data errors exceeds the
4 predetermined tolerable received data error level for a predetermined time
5 period.

35. The apparatus of claim 29, wherein the receiver receives the data utilizing at least one of wireless conventional ground terrestrial transmission, digital television (DTV) connection, analog and digital cable television (CATV), satellite connection, direct broadcast satellite system (DBS), wide area network (WAN) connection, and formats chosen by the Advanced Television Systems Committee (ATSC) and National Television Standards Committee (NTSC), and reports the received data errors utilizing at least one of telephone dial-up connection through a WAN, dial-up directly, data link switching (DLS), cable docsys, and telephony.

1 36. A machine-readable medium having instructions that when
2 executed by a processor cause the processor to perform operations
3 comprising:
4 receiving data from a transmitter;
5 tracking data errors regarding the receiving data, based on a path
6 of the receiving data and at least one of regional factors, dynamic factors, and
7 retransmission factors; and
8 reporting the data errors to a receiver.

1 37. The machine-readable medium of claim 36, further comprising:
2 receiving data, from the transmitter, having an adjusted error
3 correction.

1 38. The machine-readable medium of claim 36, wherein the receiving
2 data comprises receiving broadcast data, and wherein the reporting data errors
3 comprises reporting to a broadcast center server.

1 39. The machine-readable medium of claim 36, further comprising:
2 receiving an assigned predetermined tolerable received data error
3 level;

4 wherein the tracking comprises identifying data errors that one of
5 exceeds the predetermined tolerable received data error level, and exceeds the
6 predetermined tolerable received data error level for a predetermined time
7 period; and

8 wherein the reporting comprises reporting only when one of the
9 data errors exceeds the predetermined tolerable received data error level and
10 the data errors exceeds the predetermined tolerable received data error level
11 for a predetermined time period.

1 40. The machine-readable medium of claim 36, wherein receiving
2 data comprises utilizing at least one of wireless conventional ground terrestrial
3 transmission, digital television (DTV) connection, analog and digital cable
4 television (CATV), satellite connection, direct broadcast satellite system (DBS),
5 wide area network (WAN) connection, and formats chosen by the Advanced
6 Television Systems Committee (ATSC) and National Television Standards
7 Committee (NTSC), and wherein reporting data errors comprises utilizing at
8 least one of telephone dial-up connection through a WAN, dial-up directly, data
9 link switching (DLS), cable docsys, and telephony.